Ayush Singh
Aspiring Computer Engineer

| Third-Year BTech Student |**Technology Enthusiast**

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Pune

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SKILLS

- Programming Languages: Python, C, Java
- Web Development: HTML, CSS, JavaScript
- IoT & Embedded Systems: Arduino, ESP32 CAM,
- Libraries & Frameworks: OpenCV
- Problem-Solving, Team Collaboration, Critical Thinking
- Tools & Platforms: Git, MATLAB, Visual Studio Code

LANGUAGES

English
Full Professional Proficiency

Hindi
Native or Bilingual Proficiency

INTERESTS

- Iot and Smart Systems
- Web Development
- Renewable Energy Innovation

EDUCATION

BTech in Computer Engineering
Vishwakarma Institute of Technology,Pune
08/2023 - Present
Relevant coursework
- Data Structures, Algorithms, Object-Oriented Programming, PythA tech-driven and detail-oriented engineering student with hands-on experience in IoT systems, web development, and automation. Passionate about building impactful solutions through smart systems, real-time data analysis, and team collaboration.on, Internet of Things (IoT)

WORK EXPERIENCE

Project Contributor
Solar Panel Cleaning Startup
11/2024 - 02/2025
Tasks
- Led development of a working prototype for solar panel cleaning.
- Focused on electronics integration and ensuring technical feasibility.

ORGANIZATIONS

EPEC (Student Council) (07/2024)
Coordinator

Speakers Club (08/2024)
Social Media Lead

VIT Pune MUN (09/2024)
Function Execution Head

CERTIFICATES

Complete Python Course (04/2024)

Robo Vision by TRF (03/2024)

Introduction to Python by Infosys Springboard (05/2024)

LinkedIn Learning: Programming Foundations,Critical Thinking

Google Play Developer Program (06/2025)

AWS Cloud Practitioner – GeeksforGeeks (04/2025)

PERSONAL PROJECTS

Dynamic Traffic Management System (11/2024 - 12/2024)
- Designed and implemented a real-time traffic management solution using Arduino and ESP32 CAM modules. Integrated IR sensors and cameras to dynamically adjust traffic lights based on lane density.

HearIt Music App Website (10/2024 - 11/2020)
- Developed a responsive website for a music app called "HearIt."Created a user-friendly interface to promote the app's features and boost user engagement.Integrated branding elements, including a custom-designed logo.

ACHIEVEMENTS

Qualified till second round SIH